

Michigan Behavioral Risk Factor Surveillance System

Selected Tables from the 1997 Survey

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Health Administration
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Chronic Disease Epidemiology Section
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TABLE 1
Health Care Access Indicators
Michigan Adults, 1997
(in percentages with 95% confidence interval limits)

Demographic Characteristics	Had Health Care Coverage Age 18-64 ¹	Restrictive Health Care Arrangement ²	Cost Prevented Visit ³	Routine Checkup in Last Year ⁴
	ins3	x_mancar	v12	checkup
TOTAL	90.2 ± 1.4	59.9 ± 2.2	8.7 ± 1.2	72.6 ± 2.0
AGE				
18-24 Years	83.3 ± 4.9	72.4 ± 7.1	9.4 ± 3.7	72.6 ± 5.9
25-34 Years	84.5 ± 3.1	73.6 ± 4.5	11.5 ± 2.9	63.4 ± 4.5
35-44 Years	89.6 ± 2.5	71.3 ± 4.1	12.3 ± 2.7	64.5 ± 4.1
45-54 Years	95.9 ± 2.0	62.7 ± 5.1	7.7 ± 2.7	74.6 ± 4.5
55-64 Years	95.6 ± 2.4	56.0 ± 6.5	5.8 ± 2.7	81.7 ± 4.7
65-74 Years	- -	22.4 ± 6.1	2.6 ± 2.0	87.0 ± 4.7
75+ Years	- -	23.5 ± 6.7	3.1 ± 2.4	84.7 ± 5.7
GENDER				
Male	88.9 ± 2.2	60.5 ± 3.3	6.6 ± 1.6	64.9 ± 3.1
Female	91.4 ± 1.8	59.3 ± 2.9	10.5 ± 1.6	79.3 ± 2.2
RACE				
White	90.8 ± 1.6	57.2 ± 2.4	7.7 ± 1.2	71.7 ± 2.2
African American	88.6 ± 4.5	76.0 ± 5.9	12.0 ± 4.1	80.2 ± 5.1
EDUCATION				
Less than H.S.	77.3 ± 6.9	53.8 ± 7.1	13.9 ± 4.5	74.7 ± 5.5
H.S. Graduate	88.2 ± 2.7	59.2 ± 3.9	9.7 ± 2.2	74.2 ± 3.1
Some College	90.9 ± 2.4	62.4 ± 3.9	8.7 ± 2.2	70.3 ± 3.5
College Graduate	96.1 ± 1.6	60.4 ± 4.3	4.5 ± 1.8	71.3 ± 3.9
HOUSEHOLD INCOME				
<\$10,000	75.3 ±11.8	58.8 ±12.7	14.8 ± 7.3	76.5 ± 9.6
\$10,000-19,999	71.2 ± 7.1	46.3 ± 6.7	14.6 ± 3.9	77.9 ± 4.9
\$20,000-34,999	84.9 ± 3.3	55.2 ± 4.3	9.7 ± 2.4	70.6 ± 3.7
\$35,000-50,000	94.5 ± 2.4	63.9 ± 4.9	8.2 ± 2.7	73.4 ± 4.3
>\$50,000	97.5 ± 1.4	67.3 ± 3.7	4.2 ± 1.6	69.7 ± 3.7

¹ Proportion of respondents age 18-64 who reported they had any kind of health care coverage.

² Proportion of insured respondents who reported either: (1) a list or book of doctors associated with their plan or (2) having to select a certain doctor or clinic for all of their routine care.

³ Proportion of respondents who reported that there was a time during the previous 12 months when they needed to see a doctor but could not because of the cost.

⁴ Proportion of respondents who reported that they had had a routine checkup within the past year.

TABLE 2
Health Status Indicators
Michigan Adults, 1997
(percentages and means, with 95% confidence interval limits)

Demographic Characteristics	General Health Fair or Poor ¹ (in percent)	Physical Health Not Good ² (mean days)	Mental Health Not Good ³ (mean days)	Limited Activity ⁴ (mean days)
	genhlth2	physhlth	menhlth	actlim
TOTAL	13.1 ± 1.4	3.3 ± 0.3	3.3 ± 0.3	1.7 ± 0.2
AGE				
18-24 Years	6.9 ± 3.3	1.7 ± 0.6	3.5 ± 0.8	1.4 ± 0.6
25-34 Years	5.2 ± 2.2	2.2 ± 0.5	3.8 ± 0.7	1.3 ± 0.4
35-44 Years	9.0 ± 2.4	2.7 ± 0.5	3.9 ± 0.7	1.4 ± 0.4
45-54 Years	12.3 ± 3.3	2.9 ± 0.7	3.9 ± 0.8	1.7 ± 0.5
55-64 Years	16.7 ± 4.3	4.0 ± 1.0	1.7 ± 0.5	2.0 ± 0.7
65-74 Years	30.9 ± 6.5	5.6 ± 1.5	2.3 ± 1.0	2.2 ± 1.1
75+ Years	28.6 ± 6.7	7.6 ± 1.8	2.3 ± 1.2	3.1 ± 1.3
GENDER				
Male	12.3 ± 2.2	2.5 ± 0.4	2.7 ± 0.4	1.5 ± 0.4
Female	13.7 ± 2.0	3.9 ± 0.4	3.8 ± 0.4	1.9 ± 0.3
RACE				
White	11.1 ± 1.4	3.1 ± 0.3	3.1 ± 0.3	1.5 ± 0.2
African American	23.4 ± 5.5	3.7 ± 1.1	4.7 ± 1.2	2.7 ± 0.9
EDUCATION				
Less than H.S.	33.1 ± 6.1	6.2 ± 1.3	4.8 ± 1.3	3.5 ± 1.1
H.S. Graduate	14.6 ± 2.5	3.2 ± 0.5	3.5 ± 0.5	1.8 ± 0.4
Some College	9.1 ± 2.2	2.9 ± 0.5	3.2 ± 0.5	1.3 ± 0.3
College Graduate	4.6 ± 1.6	2.3 ± 0.5	2.4 ± 0.5	1.0 ± 0.3
HOUSEHOLD INCOME				
<\$10,000	38.1 ± 10.8	7.1 ± 2.3	5.2 ± 2.1	4.7 ± 2.2
\$10,000-19,999	28.6 ± 5.3	5.5 ± 1.1	4.3 ± 1.0	3.0 ± 0.9
\$20,000-34,999	13.3 ± 2.7	3.3 ± 0.6	3.1 ± 0.5	1.5 ± 0.4
\$35,000-50,000	9.1 ± 2.9	2.2 ± 0.6	3.0 ± 0.7	1.1 ± 0.4
>\$50,000	3.5 ± 1.4	2.0 ± 0.4	3.1 ± 0.5	1.1 ± 0.3

¹ Proportion of respondents who said that their health, in general, was fair or poor.

² Mean number of days during the past 30 days in which physical health (including illness and injury) was not good.

³ Mean number of days during the past 30 days in which mental health (including stress, depression, and problems with emotions) was not good.

⁴ Mean number of days during the past 30 days in which poor physical or mental health kept respondent from doing usual activities, such as self-care, work, or recreation.

TABLE 3
High Blood Pressure Indicators
Michigan Adults, 1997
(in percentages with 95% confidence interval limits)

Demographic Characteristics	Blood Pressure Checked Within Two Years ¹	Ever Told High Blood Pressure ²	Told Blood Pressure High Twice or More ³
	x14	hbpever	hbptwice
TOTAL	94.9 ± 1.0	23.3 ± 1.8	17.6 ± 1.6
AGE			
18-24 Years	95.3 ± 2.9	9.7 ± 4.1	6.1 ± 3.3
25-34 Years	92.8 ± 2.4	8.5 ± 2.5	4.0 ± 1.8
35-44 Years	93.8 ± 2.2	16.6 ± 3.1	9.9 ± 2.4
45-54 Years	94.9 ± 2.4	27.7 ± 4.5	22.2 ± 4.3
55-64 Years	98.3 ± 1.4	42.2 ± 6.1	33.9 ± 5.9
65-74 Years	96.5 ± 2.9	45.8 ± 7.1	38.3 ± 6.9
75+ Years	96.2 ± 3.1	39.7 ± 7.4	36.3 ± 7.3
GENDER			
Male	93.4 ± 1.6	21.8 ± 2.7	16.0 ± 2.4
Female	96.2 ± 1.0	24.8 ± 2.4	19.1 ± 2.2
RACE			
White	94.3 ± 1.2	22.6 ± 2.0	17.7 ± 1.8
African American	98.3 ± 1.4	28.6 ± 5.7	17.7 ± 4.7
EDUCATION			
Less than High School	93.3 ± 3.1	36.1 ± 6.1	29.0 ± 5.7
High School Graduate	95.0 ± 1.6	25.2 ± 3.1	18.9 ± 2.7
Some College	94.9 ± 1.8	20.3 ± 2.9	14.5 ± 2.5
College Graduate	95.5 ± 1.8	17.6 ± 3.1	13.5 ± 2.9
HOUSEHOLD INCOME			
<\$10,000	87.7 ± 8.0	28.3 ± 9.4	20.7 ± 8.6
\$10,000-19,999	96.3 ± 2.2	28.2 ± 5.3	22.5 ± 4.7
\$20,000-34,999	91.6 ± 2.4	24.9 ± 3.5	19.6 ± 3.1
\$35,000-50,000	97.4 ± 1.8	20.1 ± 3.9	12.9 ± 3.3
>\$50,000	95.8 ± 1.6	19.4 ± 3.1	14.3 ± 2.7

¹ Proportion of respondents who reported having had their blood pressure checked within the past two years.

² Of respondents who had ever had their blood pressure checked, the proportion who reported that they had ever been told by a health professional that their blood pressure was high.

³ Of respondents who had ever had their blood pressure checked, the proportion who been told on more than one occasion that their blood pressure was high.

TABLE 4 Cholesterol Indicators Michigan Adults, 1997 (in percentages with 95% confidence interval limits)			
Demographic Characteristics	Cholesterol Ever Checked ¹	Checked Within Past Five Years ²	Ever Told Cholesterol was High ³
	cholchk	chol5yr	cholhigh
TOTAL	75.9 ± 1.8	71.3 ± 2.0	31.2 ± 2.2
AGE			
18-24 Years	40.1 ± 6.7	37.0 ± 6.7	14.5 ± 6.9
25-34 Years	59.5 ± 4.5	53.0 ± 4.7	17.9 ± 4.5
35-44 Years	77.5 ± 3.5	71.9 ± 3.7	24.2 ± 4.1
45-54 Years	88.8 ± 3.1	84.9 ± 3.7	35.2 ± 5.1
55-64 Years	96.3 ± 2.2	94.7 ± 2.5	44.3 ± 6.3
65-74 Years	93.7 ± 3.5	91.1 ± 4.3	44.3 ± 7.3
75+ Years	89.3 ± 4.7	82.9 ± 5.7	37.6 ± 8.0
GENDER			
Male	71.8 ± 2.9	67.1 ± 3.1	31.8 ± 3.5
Female	79.5 ± 2.2	75.2 ± 2.4	30.7 ± 2.9
RACE			
White	76.9 ± 2.0	71.9 ± 2.2	31.9 ± 2.4
African American	71.2 ± 5.9	69.2 ± 6.1	27.1 ± 6.7
EDUCATION			
Less than High School	68.7 ± 5.9	64.4 ± 6.1	40.7 ± 7.6
High School Graduate	73.6 ± 3.3	69.5 ± 3.3	33.5 ± 3.9
Some College	74.4 ± 3.5	70.2 ± 3.5	29.4 ± 4.1
College Graduate	84.3 ± 3.1	78.5 ± 3.5	26.9 ± 3.9
HOUSEHOLD INCOME			
<\$10,000	69.8 ±10.6	66.7 ±11.0	41.2 ±12.7
\$10,000-19,999	71.5 ± 5.3	66.9 ± 5.5	36.3 ± 6.7
\$20,000-34,999	72.0 ± 3.7	67.5 ± 3.9	34.0 ± 4.5
\$35,000-50,000	75.8 ± 4.3	71.7 ± 4.5	25.4 ± 4.9
>\$50,000	82.0 ± 3.1	76.4 ± 3.5	29.4 ± 3.9
¹ Proportion of respondents who reported ever having had their cholesterol checked. ² Proportion of respondents who reported having had their cholesterol checked within the previous five years. ³ Of respondents who had ever had their cholesterol checked, the proportion who had been told by a health professional that their cholesterol was high.			

TABLE 5 Diabetes Indicator Michigan Adults, 1997 (in percentages with 95% confidence interval limits)	
Demographic Characteristics	Ever Told Have Diabetes ¹
	diabetes
TOTAL	5.9 ± 1.0
AGE	
18-24 Years	1.5 ± 1.6
25-34 Years	1.9 ± 1.2
35-44 Years	2.3 ± 1.2
45-54 Years	5.6 ± 2.2
55-64 Years	12.0 ± 4.1
65-74 Years	16.3 ± 5.3
75+ Years	13.2 ± 5.1
GENDER	
Male	5.3 ± 1.4
Female	6.5 ± 1.4
RACE	
White	5.6 ± 1.0
African American	8.6 ± 3.5
EDUCATION	
Less than High School	10.7 ± 3.9
High School Graduate	6.6 ± 1.8
Some College	5.6 ± 1.8
College Graduate	3.1 ± 1.6
HOUSEHOLD INCOME	
<\$10,000	11.4 ± 5.9
\$10,000-19,999	9.4 ± 3.5
\$20,000-34,999	7.5 ± 2.2
\$35,000-50,000	3.8 ± 2.0
>\$50,000	3.5 ± 1.4
¹ Proportion of respondents who reported that they had ever been told by a doctor that they had diabetes (gestational diabetes excluded).	

TABLE 6 Cigarette Smoking Status Michigan Adults, 1997 (in percentages with 95% confidence interval limits)			
Demographic Characteristics	Current Smoker ¹	Former Smoker ²	Never Smoker
	smoke	smoke	smoke
TOTAL	26.2 ± 1.8	25.0 ± 1.8	48.8 ± 2.2
AGE			
18-24 Years	31.7 ± 6.1	6.1 ± 2.9	62.2 ± 6.5
25-34 Years	33.0 ± 4.3	14.2 ± 3.1	52.8 ± 4.5
35-44 Years	32.5 ± 3.9	21.8 ± 3.5	45.7 ± 4.1
45-54 Years	25.4 ± 4.3	32.5 ± 4.7	42.1 ± 5.1
55-64 Years	21.5 ± 5.1	41.0 ± 6.1	37.4 ± 5.9
65-74 Years	12.9 ± 4.5	39.1 ± 6.9	48.0 ± 7.1
75+ Years	6.4 ± 3.3	37.0 ± 7.4	56.7 ± 7.6
GENDER			
Male	29.6 ± 2.9	28.3 ± 2.9	42.1 ± 3.1
Female	23.1 ± 2.2	21.9 ± 2.2	54.9 ± 2.7
RACE			
White	26.3 ± 2.0	25.8 ± 2.0	47.9 ± 2.4
African American	24.8 ± 5.5	19.3 ± 5.1	55.8 ± 6.3
EDUCATION			
Less than High School	35.7 ± 6.1	32.6 ± 5.9	31.7 ± 5.9
High School Graduate	31.2 ± 3.3	25.0 ± 3.1	43.8 ± 3.5
Some College	27.4 ± 3.3	22.7 ± 3.1	49.8 ± 3.9
College Graduate	12.8 ± 2.7	24.0 ± 3.5	63.2 ± 3.9
HOUSEHOLD INCOME			
<\$10,000	31.2 ±10.0	22.0 ± 9.2	46.7 ±11.0
\$10,000-19,999	31.0 ± 5.3	24.6 ± 5.1	44.4 ± 5.9
\$20,000-34,999	27.6 ± 3.5	23.6 ± 3.3	48.8 ± 4.1
\$35,000-50,000	28.4 ± 4.3	25.6 ± 4.3	46.0 ± 4.9
>\$50,000	21.0 ± 3.1	28.2 ± 3.5	50.8 ± 3.9
¹ Proportion of respondents who affirmed that they had ever smoked at least 100 cigarettes in their life and that they smoke cigarettes now. ² Proportion of respondents who affirmed that they had ever smoked at least 100 cigarettes in their life but that they do not smoke cigarettes now.			

TABLE 7
Tobacco Use Indicators
Michigan Adults Who Currently Smoke Cigarettes, 1997
(in percentages with 95% confidence interval limits)

Demographic Characteristics	1-19 Cigarettes Per Day	20-39 Cigarettes Per Day	40+ Cigarettes Per Day	Mean Number of Cigarettes Per Day
	nsmoke3	nsmoke3	nsmoke3	numcig
TOTAL	53.4 ± 4.1	39.0 ± 3.9	7.6 ± 2.2	16.8 ± 0.9
AGE				
18-34 Years	64.4 ± 6.3	33.2 ± 6.3	2.4 ± 2.0	13.8 ± 1.2
35-54 Years	48.4 ± 5.9	40.2 ± 5.7	11.5 ± 3.9	18.9 ± 1.3
55+Years	38.5 ± 10.2	50.9 ± 10.4	10.5 ± 7.1	18.9 ± 2.5
GENDER				
Male	46.2 ± 5.9	43.0 ± 5.9	10.7 ± 3.7	18.9 ± 1.4
Female	61.6 ± 5.3	34.4 ± 5.3	4.0 ± 2.2	14.5 ± 1.0
RACE				
White	50.1 ± 4.5	41.9 ± 4.3	8.0 ± 2.4	17.5 ± 1.0
African American	77.0 ± 11.0	17.8 ± 9.8	na ± na ¹	12.1 ± 2.4
EDUCATION				
Less than High School	48.4 ± 10.4	42.3 ± 10.2	9.2 ± 6.1	17.0 ± 2.2
High School Graduate	46.0 ± 6.3	47.2 ± 6.3	6.9 ± 3.3	17.5 ± 1.3
Some College	59.2 ± 7.3	32.3 ± 6.9	8.5 ± 4.1	16.9 ± 1.8
College Graduate	70.1 ± 10.2	24.2 ± 9.4	5.7 ± 5.7	14.1 ± 2.9
HOUSEHOLD INCOME				
<\$10,000	55.7 ± 19.2	40.0 ± 19.2	na ± na ¹	16.4 ± 3.7
\$10,000-19,999	51.1 ± 10.6	38.9 ± 10.4	10.1 ± 6.5	17.3 ± 2.1
\$20,000-34,999	52.7 ± 7.6	41.6 ± 7.4	5.7 ± 3.7	15.8 ± 1.5
\$35,000-50,000	53.2 ± 9.0	41.4 ± 8.8	5.3 ± 4.1	16.6 ± 1.9
>\$50,000	54.3 ± 8.4	34.8 ± 7.8	10.9 ± 5.5	18.5 ± 2.3

¹ Confidence interval exceeds range of possible estimates.

TABLE 8 Alcohol Use Indicators Michigan Adults, 1997 (in percentages with 95% confidence interval limits)		
Demographic Characteristics	Consumed Any in Past Month ¹	Heavy Drinking ²
	v31	hdrink
TOTAL	57.6 ± 2.2	3.8 ± 0.8
AGE		
18-24 Years	62.9 ± 6.5	7.3 ± 3.5
25-34 Years	71.3 ± 4.1	5.4 ± 2.4
35-44 Years	63.4 ± 4.1	3.2 ± 1.6
45-54 Years	59.1 ± 5.1	2.3 ± 1.6
55-64 Years	48.2 ± 6.1	3.2 ± 2.2
65+ Years	35.1 ± 3.8	1.8 ± 1.4
GENDER		
Male	68.2 ± 2.9	7.0 ± 1.8
Female	48.4 ± 2.7	0.9 ± 0.4
RACE		
White	58.9 ± 2.2	3.9 ± 1.0
African American	49.0 ± 6.3	2.7 ± 2.5
EDUCATION		
Less than High School	37.3 ± 6.1	2.8 ± 2.2
High School Graduate	54.1 ± 3.5	4.8 ± 1.8
Some College	60.7 ± 3.7	4.1 ± 1.6
College Graduate	69.8 ± 3.9	2.4 ± 1.4
HOUSEHOLD INCOME		
<\$10,000	39.7 ± 11.0	na ± na ³
\$10,000-19,999	44.9 ± 5.9	2.2 ± 1.6
\$20,000-34,999	54.6 ± 4.1	4.0 ± 1.8
\$35,000-50,000	61.7 ± 4.7	5.0 ± 2.2
>\$50,000	70.0 ± 3.5	4.3 ± 1.8
¹ Proportion of respondents who reported having had at least one alcoholic drink in the past month. ² Heavy drinking was defined as sixty or more alcoholic beverages on average consumed in the past month. ³ Confidence interval (95%) exceeds range of possible estimates.		

TABLE 9 Alcohol Use Indicators Michigan Adults, 1997 (in percentages with 95% confidence interval limits)		
Demographic Characteristics	Binge Drinking ¹	Drinking and Driving ²
	bing2	ddrink2
TOTAL	18.8 ± 1.8	3.5 ± 0.8
AGE		
18-24 Years	34.3 ± 6.3	4.7 ± 2.9
25-34 Years	32.0 ± 4.3	7.6 ± 2.5
35-44 Years	18.2 ± 3.3	3.0 ± 1.4
45-54 Years	14.9 ± 3.7	1.8 ± 1.4
55-64 Years	8.5 ± 3.5	na ± na ³
65-74 Years	4.3 ± 2.9	na ± na ³
75+ Years	na ± na ³	2.7 ± 2.7
GENDER		
Male	29.2 ± 2.9	5.8 ± 1.6
Female	9.6 ± 1.6	1.5 ± 0.6
RACE		
White	19.8 ± 1.8	3.8 ± 1.0
African American	18.6 ± 7.8	2.2 ± 2.0
EDUCATION		
Less than High School	15.2 ± 4.5	1.6 ± 1.4
High School Graduate	18.0 ± 2.7	2.6 ± 1.2
Some College	19.8 ± 3.1	4.7 ± 1.8
College Graduate	21.1 ± 3.5	4.4 ± 1.8
HOUSEHOLD INCOME		
<\$10,000	11.6 ± 6.7	na ± na ³
\$10,000-19,999	16.2 ± 4.3	na ± na ³
\$20,000-34,999	19.4 ± 3.3	3.6 ± 1.6
\$35,000-50,000	19.0 ± 3.9	4.7 ± 2.2
>\$50,000	23.1 ± 3.3	5.1 ± 1.8
¹ Proportion of respondents who reported that they had had five or more alcoholic beverages per occasion at least once in the past month. ² Proportion of respondents who said they had driven a car after having had “perhaps too much to drink”. ³ Confidence interval (95%) exceeds range of possible estimates.		

TABLE 10 Car Safety Restraint Use Indicators Michigan, 1997 (in percentages with 95% confidence interval limits)		
Demographic Characteristics	Adult Always Uses Safety Belt ¹	Oldest Child Always Uses Safety Belt or Car Seat ²
	seat2	x23
TOTAL	72.0 ± 2.0	84.0 ± 2.5
AGE		
18-24 Years	61.6 ± 6.5	— —
25-34 Years	67.2 ± 4.3	— —
35-44 Years	73.5 ± 3.7	— —
45-54 Years	73.4 ± 4.5	— —
55-64 Years	75.4 ± 5.5	— —
65-74 Years	80.0 ± 5.9	— —
75+ Years	80.2 ± 6.5	— —
GENDER		
Male	64.6 ± 3.1	— —
Female	78.6 ± 2.2	— —
RACE		
White	73.8 ± 2.0	— —
African American	61.1 ± 6.3	— —
EDUCATION		
Less than High School	64.0 ± 6.1	— —
High School Graduate	72.1 ± 3.3	— —
Some College	69.3 ± 3.5	— —
College Graduate	80.0 ± 3.3	— —
HOUSEHOLD INCOME		
<\$10,000	76.7 ± 9.2	90.2 ±13.3
\$10,000-19,999	72.0 ± 5.3	82.3 ± 8.6
\$20,000-34,999	67.7 ± 3.9	80.5 ± 5.5
\$35,000-50,000	72.3 ± 4.3	80.8 ± 5.9
>\$50,000	74.5 ± 3.5	87.4 ± 3.7
¹ Proportion of respondents who reported always wearing their safety belt when driving or riding in a car. ² Proportion of respondents who reported that the oldest children in their household either: (1) always sit in a car seat if the oldest child was between the age of five to 15 or (2) always use a seatbelt when riding in a car if the oldest child was under the age of five. Respondent level characteristics are not included for this household level question.		

TABLE 11 Bicycle Helmet Use Indicators ¹ Ages 5 to 14 Michigan, 1997 (in percentages with 95% confidence interval limits)		
Demographic Characteristics	Oldest Child Always Wears a Bicycle Helmet	Oldest Child Never Wears a Bicycle Helmet
	x24	x24
TOTAL	20.9 ± 3.1	49.1 ± 3.9
HOUSEHOLD INCOME		
<\$10,000	27.5 ±24.5	39.6 ±28.0
\$10,000-19,999	15.6 ±10.8	59.2 ±13.3
\$20,000-34,999	19.4 ± 6.1	51.8 ± 8.0
\$35,000-50,000	18.1 ± 6.3	49.8 ± 8.4
>\$50,000	24.4 ± 5.5	43.2 ± 6.5
¹ Proportion of respondents who reported helmet use for the oldest children in their household between the ages of five to 15 when riding a bicycle.		

TABLE 12 Clinical Breast Exam Indicators Female Adults Over 19 Years of Age Michigan, 1997 (in percentages with 95% confidence interval limits)		
Demographic Characteristics	Ever Had Clinical Breast Exam	Had Appropriately-timed Screening Clinical Breast Exam ¹
	cbe20	appropbe
TOTAL	90.9 ± 1.6	75.3 ± 2.5
AGE		
20-29 Years	84.6 ± 5.3	79.5 ± 5.9
30-39 Years	94.7 ± 2.7	88.8 ± 3.7
40-49 Years	96.9 ± 2.0	69.2 ± 5.7
50-64 Years	94.9 ± 2.9	75.4 ± 5.7
65+ Years	82.3 ± 4.9	62.4 ± 6.5
RACE		
White	91.8 ± 1.8	76.2 ± 2.7
African American	87.5 ± 5.3	72.5 ± 7.1
EDUCATION		
Less than High School	81.8 ± 6.5	61.3 ± 8.8
High School Graduate	90.2 ± 2.7	72.4 ± 4.3
Some College	91.7 ± 3.1	76.7 ± 4.5
College Graduate	95.0 ± 2.7	83.4 ± 4.5
HOUSEHOLD INCOME		
<\$10,000	77.6 ±12.0	59.9 ±13.9
\$10,000-19,999	87.1 ± 4.9	68.2 ± 6.9
\$20,000-34,999	90.5 ± 2.9	77.1 ± 4.5
\$35,000-50,000	97.4 ± 2.2	85.3 ± 4.9
>\$50,000	95.1 ± 2.5	78.0 ± 4.9
¹ Proportion of female respondents 20 years of age and older whose last clinical breast exam was within the previous three years for women 20-39 years and within the previous year for women 40 years of age and older. Respondents whose last clinical breast exam was done because of breast cancer or other breast problems were not included in this analysis.		

TABLE 13 Mammography Indicators Female Adults Over 39 Years of Age Michigan, 1997 (in percentages with 95% confidence interval limits)			
Demographic Characteristics	Ever Had Mammogram	Mammography Screening In Past Year ¹	Both Clinical Breast Exam and Mammography Screening In Past Year ²
	mamer40	mam1yr	both1yr
TOTAL	88.6 ± 2.4	59.2 ± 3.7	52.4 ± 3.7
AGE			
40-49 Years	86.4 ± 4.1	52.7 ± 6.3	49.6 ± 6.3
50-64 Years	91.2 ± 3.5	68.1 ± 6.3	61.5 ± 6.7
65+ Years	88.8 ± 4.1	58.4 ± 6.7	47.1 ± 6.9
RACE			
White	89.8 ± 2.4	58.9 ± 4.1	52.3 ± 4.1
African American	81.0 ± 8.8	61.2 ±10.6	52.7 ±11.0
EDUCATION			
Less than High School	84.5 ± 7.1	55.2 ±10.6	44.3 ±10.6
High School Graduate	87.0 ± 3.9	58.9 ± 6.1	51.6 ± 6.3
Some College	88.8 ± 4.5	60.7 ± 7.3	54.3 ± 7.4
College Graduate	93.9 ± 3.3	60.0 ± 7.8	55.8 ± 7.8
HOUSEHOLD INCOME			
<\$10,000	85.0 ±10.0	48.6 ±16.3	42.0 ±16.1
\$10,000-19,999	85.8 ± 6.5	54.1 ± 9.2	43.9 ± 9.2
\$20,000-34,999	87.2 ± 4.7	64.8 ± 7.1	58.1 ± 7.3
\$35,000-50,000	91.6 ± 5.3	56.5 ±10.8	52.0 ±11.0
>\$50,000	90.8 ± 3.9	59.0 ± 7.4	55.4 ± 7.4
¹ Proportion of female respondents 40 years and older who reported having had a routine mammogram within the past year. Respondents whose last mammogram was done because of breast cancer or other breast problems were not included in this analysis. ² Proportion of female respondents aged 40 and older who had both a clinical breast exam and a mammography screening within the previous year.			

TABLE 14 Pap Test Screening Indicators Female Respondents Over 17 Years of Age Michigan, 1997 (in percentages with 95% confidence interval limits)		
Demographic Characteristics	Ever Had Pap Test	Appropriately-timed Pap Screening Test ¹
	papever	apap
TOTAL	94.8 ± 1.4	83.8 ± 2.2
AGE		
18-29 Years	91.6 ± 4.3	88.8 ± 4.9
30-39 Years	na ± na ²	89.2 ± 3.9
40-49 Years	na ± na ²	88.5 ± 3.9
50-64 Years	96.8 ± 2.5	87.1 ± 4.5
65+ Years	93.2 ± 3.1	69.0 ± 6.1
RACE		
White	95.1 ± 1.4	83.5 ± 2.4
African American	94.1 ± 4.1	87.5 ± 5.5
EDUCATION		
Less than High School	92.3 ± 4.3	71.4 ± 8.0
High School Graduate	95.3 ± 2.2	83.7 ± 3.5
Some College	94.6 ± 2.7	83.9 ± 3.9
College Graduate	96.0 ± 2.5	89.8 ± 3.5
HOUSEHOLD INCOME		
<\$10,000	82.9 ±10.8	59.0 ±14.1
\$10,000-19,999	93.8 ± 3.7	77.0 ± 6.5
\$20,000-34,999	95.5 ± 2.2	83.0 ± 4.1
\$35,000-50,000	96.0 ± 3.3	89.7 ± 4.5
>\$50,000	97.4 ± 2.0	89.4 ± 3.5
¹ Proportion of all female respondents aged 18 and older who had a Pap test within the previous three years. Respondents whose last Pap test was done because of a problem were not included in this analysis. ² Confidence interval (95%) exceeds range of possible estimates.		

TABLE 15
Indicators of Attitudes Toward Condom Use and Education
Respondents 18-64 Years of Age
Michigan, 1997
(in percentages with 95% confidence interval limits)

Demographic Characteristics	Mean Grade for AIDS Education ¹	Encourage Condom Use Among Sexually Active Teens ²	Encourage Refrain From Sexual Activity ³
	x67i	v68	v68a
TOTAL	4.8 ± 0.1	92.8 ± 1.2	80.1 ± 2.0
AGE			
18-24 Years	4.8 ± 0.3	96.7 ± 2.2	63.1 ± 6.5
25-34 Years	4.6 ± 0.2	94.0 ± 2.2	77.3 ± 3.9
35-44 Years	4.9 ± 0.2	92.6 ± 2.4	86.1 ± 2.9
45-54 Years	4.9 ± 0.3	93.9 ± 2.5	84.2 ± 3.7
55-64 Years	4.7 ± 0.3	85.1 ± 4.7	86.6 ± 4.1
GENDER			
Male	5.2 ± 0.2	91.6 ± 2.0	76.2 ± 2.9
Female	4.4 ± 0.2	93.9 ± 1.4	83.9 ± 2.4
RACE			
White	4.8 ± 0.1	92.8 ± 1.4	79.8 ± 2.2
African American	4.6 ± 0.4	95.5 ± 2.4	82.7 ± 5.3
EDUCATION			
Less than High School	4.7 ± 0.4	95.7 ± 2.9	70.9 ± 7.4
High School Graduate	4.9 ± 0.2	93.1 ± 2.2	80.0 ± 3.3
Some College	4.7 ± 0.2	94.2 ± 1.8	79.7 ± 3.5
College Graduate	4.6 ± 0.2	90.1 ± 2.7	84.0 ± 3.1
HOUSEHOLD INCOME			
<\$10,000	5.2 ± 0.6	86.1 ± 9.4	74.8 ± 12.0
\$10,000-19,999	4.7 ± 0.4	94.6 ± 3.9	68.6 ± 7.3
\$20,000-34,999	4.8 ± 0.2	92.6 ± 2.4	77.9 ± 3.9
\$35,000-50,000	5.0 ± 0.2	92.9 ± 2.7	82.1 ± 3.9
>\$50,000	4.6 ± 0.2	94.2 ± 1.8	83.0 ± 3.1

¹ Of the respondents who indicated that children should received HIV/AIDS education, the mean grade at which this education should be received.

² Proportion of respondents who reported that if they had a teenager who was sexually active they would encourage him or her to use a condom. "Don't know" and "Would give other advice" were considered valid responses [0.4% (±0.3) and 3.9% (±0.9) respectively].

³ Proportion of respondents who reported that if they had a teenager, they would encourage him or her to refrain from sexual activity. "Don't know" and "Would not give advice" were considered valid responses [0.9% (±0.4) and 1.0% (±0.4) respectively].

TABLE 16 HIV/AIDS Screening Indicators Respondents 18-64 Years of Age Michigan, 1997 (in percentages with 95% confidence interval limits)		
Demographic Characteristics	Chance of Getting AIDS High or Medium ¹	Ever Tested for AIDS ²
	x69	v70
TOTAL	5.5 ± 1.0	43.7 ± 2.4
AGE		
18-24 Years	7.1 ± 3.3	44.8 ± 6.7
25-34 Years	6.5 ± 2.4	60.1 ± 4.5
35-44 Years	5.2 ± 1.8	43.0 ± 4.1
45-54 Years	5.1 ± 2.4	34.3 ± 4.7
55-64 Years	2.8 ± 1.8	27.7 ± 5.7
GENDER		
Male	5.2 ± 1.6	43.2 ± 3.5
Female	5.7 ± 1.4	44.1 ± 2.9
RACE		
White	4.9 ± 1.0	40.6 ± 2.5
African American	8.9 ± 4.1	62.7 ± 6.7
EDUCATION		
Less than High School	12.2 ± 5.7	49.8 ± 8.2
High School Graduate	4.0 ± 1.6	36.6 ± 3.9
Some College	5.8 ± 1.8	45.5 ± 4.1
College Graduate	4.8 ± 1.8	48.2 ± 4.3
HOUSEHOLD INCOME		
<\$10,000	10.5 ± 9.0	45.7 ± 13.7
\$10,000-19,999	8.2 ± 4.5	53.7 ± 7.6
\$20,000-34,999	6.1 ± 2.2	46.4 ± 4.5
\$35,000-50,000	5.0 ± 2.2	39.7 ± 4.9
>\$50,000	4.2 ± 1.6	43.8 ± 3.9
¹ Proportion of respondents who reported "high" or "medium" to the question "What are your chances of getting infected with HIV, the virus that causes AIDS?". "Don't know" was considered a valid response [0.4% (±0.2)]. ² Proportion of respondents who said "yes" to the question "Have you ever had your blood tested for HIV?". "Don't know" was considered a valid response [2.5% (±0.7)].		

TABLE 17 Weight Status¹ Michigan Adults, 1997 (in percentages with 95% confidence interval limits)			
Demographic Characteristics	Overweight	Healthy Range	Underweight
	bmic2	bmic2	bmic2
TOTAL	34.5 ± 2.0	59.7 ± 2.2	5.8 ± 1.0
AGE			
18-24 Years	20.8 ± 5.5	61.8 ± 6.7	17.4 ± 5.3
25-34 Years	25.6 ± 4.1	69.0 ± 4.3	5.3 ± 2.0
35-44 Years	36.9 ± 4.1	58.9 ± 4.3	4.2 ± 1.8
45-54 Years	39.8 ± 5.1	57.9 ± 5.1	2.3 ± 1.4
55-64 Years	50.6 ± 6.3	48.2 ± 6.3	1.3 ± 1.2
65-74 Years	39.9 ± 6.9	54.4 ± 7.1	5.7 ± 3.3
75+ Years	31.1 ± 7.3	62.0 ± 7.4	6.9 ± 3.7
GENDER			
Male	35.6 ± 3.1	60.1 ± 3.1	4.2 ± 1.4
Female	33.5 ± 2.7	59.3 ± 2.7	7.2 ± 1.6
RACE			
White	32.9 ± 2.2	60.9 ± 2.4	6.2 ± 1.2
African American	45.6 ± 6.5	51.8 ± 6.5	2.5 ± 2.0
EDUCATION			
Less than High School	44.1 ± 6.3	50.0 ± 6.5	5.9 ± 2.9
High School Graduate	36.1 ± 3.5	57.9 ± 3.7	6.0 ± 1.8
Some College	33.1 ± 3.7	59.7 ± 3.7	7.1 ± 2.2
College Graduate	28.9 ± 3.9	67.4 ± 4.1	3.7 ± 1.6
HOUSEHOLD INCOME			
<\$10,000	35.8 ±10.2	53.0 ±11.2	11.2 ± 7.6
\$10,000-19,999	37.7 ± 5.9	56.4 ± 5.9	5.9 ± 2.7
\$20,000-34,999	35.9 ± 3.9	58.5 ± 4.1	5.6 ± 1.8
\$35,000-50,000	32.4 ± 4.7	63.0 ± 4.9	4.6 ± 2.4
>\$50,000	33.5 ± 3.7	62.6 ± 3.9	3.9 ± 1.6
¹ Weight status categories were defined as follows: Overweight: ≥85th percentile BMI; Healthy Weight: >15th and <85th percentile BMI; Underweight: ≤15th percentile BMI. Pregnant women were excluded from this analysis.			

TABLE 18
Colorectal Cancer Indicators
Respondents Over 49 Years of Age
Michigan Adults, 1997
(in percentages with 95% confidence interval limits)

Demographic Characteristics	Ever Had Blood Stool Test ¹	Had Blood Stool Test In Past Year ²	Ever Had Sigmoidoscopy/ Proctoscopy ³	Had Sigmoidoscopy/ Proctoscopy Test In Past Five Years ⁴
	x63	x64	x65	x66
TOTAL	42.9 ± 3.5	22.1 ± 2.9	47.6 ± 3.5	35.0 ± 3.5
AGE				
50-59 Years	36.0 ± 5.5	21.2 ± 4.9	36.8 ± 5.7	26.4 ± 5.1
60-69 Years	46.6 ± 6.7	24.0 ± 5.9	52.7 ± 6.9	38.8 ± 6.7
70+ Years	46.9 ± 6.1	21.3 ± 5.1	54.6 ± 6.1	40.7 ± 6.1
GENDER				
Male	34.6 ± 5.3	19.3 ± 4.5	46.3 ± 5.7	37.5 ± 5.5
Female	49.7 ± 4.7	24.4 ± 4.1	48.7 ± 4.7	32.9 ± 4.3
RACE				
White	44.4 ± 3.7	22.8 ± 3.1	48.4 ± 3.7	35.5 ± 3.7
African American	30.7 ± 11.2	16.1 ± 9.0	39.5 ± 12.0	31.9 ± 11.6
EDUCATION				
Less than High School	39.3 ± 8.4	19.3 ± 6.9	53.2 ± 8.6	38.1 ± 8.6
High School Graduate	42.8 ± 5.7	21.7 ± 4.7	44.5 ± 5.7	34.7 ± 5.5
Some College	40.8 ± 7.3	16.6 ± 5.5	48.7 ± 7.3	37.0 ± 7.1
College Graduate	50.2 ± 8.2	33.2 ± 7.8	47.0 ± 8.2	29.3 ± 7.4
HOUSEHOLD INCOME				
<\$10,000	29.6 ± 12.5	9.3 ± 7.4	45.8 ± 14.9	32.5 ± 13.7
\$10,000-19,999	38.1 ± 7.8	19.4 ± 6.7	46.0 ± 8.0	33.9 ± 7.8
\$20,000-34,999	47.3 ± 6.7	25.8 ± 5.9	48.2 ± 6.7	37.6 ± 6.5
\$35,000-50,000	44.1 ± 10.0	19.7 ± 8.2	41.5 ± 10.0	32.9 ± 9.4
>\$50,000	40.3 ± 7.6	24.8 ± 6.7	48.6 ± 7.8	35.1 ± 7.6

¹ Proportion of respondents aged 50 or older who reported ever having had a blood stool test using a home kit.

² Proportion of respondents aged 50 or older who reported having taken a blood stool test using a home kit within the past year.

³ Proportion of respondents aged 50 or older who reported ever having had a sigmoidoscopy or proctoscopy exam.

⁴ Proportion of respondents aged 50 or older who reported having had a sigmoidoscopy or proctoscopy examine within the past five years.

TABLE 19 Immunization Indicators Michigan Respondents Over 64 Years of Age, 1997 (in percentages with 95% confidence interval limits)		
Demographic Characteristics	Had Flu Shot In Past Year ¹	Ever Had Pneumonia Vaccination ²
	x61	x62
TOTAL	62.9 ± 5.1	46.0 ± 5.1
GENDER		
Male	59.2 ± 8.4	41.5 ± 8.4
Female	65.3 ± 6.1	49.0 ± 6.5
RACE		
White	66.3 ± 5.1	48.8 ± 5.5
African American	37.7 ±16.7	22.4 ±13.7
EDUCATION		
Less than High School	58.6 ±10.0	40.6 ± 9.8
High School Graduate	61.3 ± 7.8	48.5 ± 8.0
Some College	69.3 ±10.2	48.3 ±11.4
College Graduate	70.5 ±15.3	45.9 ±16.9
HOUSEHOLD INCOME		
<\$10,000	49.6 ±18.0	37.9 ±16.9
\$10,000-19,999	59.0 ± 9.0	42.8 ± 9.0
\$20,000-34,999	67.2 ± 8.6	55.6 ± 9.2
\$35,000-50,000	63.9 ±16.9	41.0 ±16.9
>\$50,000	61.8 ±26.3	40.3 ±26.5
¹ Proportion of respondents 65 years or older who reported having had a flu shot during the previous 12 months. ² Proportion of respondents 65 years or older who reported ever having had a pneumonia vaccination.		

TABLE 20 Cardiovascular Disease Indicators Respondents Over 34 Years of Age Michigan, 1997 (in percentages with 95% confidence interval limits)			
Demographic Characteristics	Ever Told Had Heart Attack or Myocardial Infarction ¹	Ever Told Had Angina or Coronary Heart Disease ²	Ever Told Had Stroke ³
	v101a	v101b	v101c
TOTAL	7.2 ± 1.4	5.1 ± 1.2	3.1 ± 1.0
AGE			
18-44 Years	1.1 ± 0.8	0.8 ± 0.8	1.1 ± 0.8
45-54 Years	3.8 ± 2.0	3.6 ± 1.8	na ± na ⁴
55-64 Years	8.4 ± 3.5	6.9 ± 2.9	2.6 ± 2.0
65-74 Years	18.4 ± 5.7	9.5 ± 4.1	5.6 ± 3.3
75+ Years	17.2 ± 5.7	13.8 ± 5.1	13.1 ± 5.3
GENDER			
Male	8.4 ± 2.2	5.8 ± 1.8	2.4 ± 1.2
Female	6.2 ± 1.6	4.5 ± 1.2	3.8 ± 1.4
RACE			
White	7.1 ± 1.4	5.3 ± 1.2	2.8 ± 1.0
African American	7.6 ± 4.1	3.9 ± 3.1	5.5 ± 3.5
EDUCATION			
Less than High School	19.1 ± 6.1	10.6 ± 4.5	8.9 ± 4.1
High School Graduate	7.4 ± 2.2	5.9 ± 2.0	1.9 ± 1.2
Some College	5.0 ± 2.2	4.3 ± 1.8	3.1 ± 1.6
College Graduate	3.2 ± 1.8	2.2 ± 1.4	2.0 ± 1.6
HOUSEHOLD INCOME			
<\$10,000	22.0 ± 9.8	17.2 ± 8.2	8.6 ± 7.1
\$10,000-19,999	13.8 ± 4.7	11.1 ± 4.3	6.5 ± 3.5
\$20,000-34,999	8.8 ± 3.1	4.9 ± 2.2	2.6 ± 1.6
\$35,000-50,000	6.2 ± 3.3	5.6 ± 2.9	na ± na ⁴
>\$50,000	2.5 ± 1.4	2.3 ± 1.4	na ± na ⁴
¹ Proportion of respondents age 35 or older who reported that they had ever been told by a doctor that they had a heart attack or myocardial infarction. ² Proportion of respondents age 35 or older who reported that they had ever been told by a doctor that they had angina or coronary heart disease. ³ Proportion of respondents age 35 or older who reported that they had ever been told by a doctor that they had a stroke. ⁴ Confidence interval (95%) exceeds range of possible estimates.			

TABLE A.1
Comparison of the Combined 1997 BRFS Sample Distributions
With 1995 Census Distributions for Michigan
(In Percentages)

Demographic Characteristics	Unweighted Sample	Weighted Sample ¹	1996 Population Estimates ²
AGE			
18-24 Years	10.3	12.3	
25-34 Years	20.3	20.0	
35-44 Years	24.1	22.6	
45-54 Years	16.8	16.4	
55-64 Years	11.5	11.1	
65-74 Years	8.8	9.8	
75+ Years	7.7	7.5	
Missing	0.4	0.4	
GENDER			
Male	41.6	47.0	
Female	58.3	52.8	
Missing	0.2	0.2	
RACE			
White	82.0	83.3	
African American	11.5	12.3	
Other	4.1	1.9	
Missing	2.4	2.4	
¹ Weighted to account for the probabilities of selection at the phone number and household levels, and conditionally adjusted to the 1995 Michigan intercensal estimates by age, sex, and race. ² Source: Office of the State Demographer, Michigan Department of Management and Budget, 1995.			

TABLE A.2
Comparison of the Combined 1997 BRFs Sample Distributions
With 1990 Census Distributions for Michigan
(In Percentages)

Demographic Characteristics	Unweighted Sample	Weighted Sample ¹
EDUCATION		
Less than High School	11.3	11.8
High School Graduate	32.5	32.6
Some College	29.7	30.2
College Graduate	24.4	23.2
Missing	2.1	2.2
HOUSEHOLD INCOME		
<\$10,000	3.9	3.2
\$10,000-19,999	13.3	12.4
\$20,000-34,999	26.7	26.7
\$35,000-50,000	17.7	17.7
>\$50,000	27.6	29.1
Missing	10.9	10.9
EMPLOYMENT STATUS (age 20-64)		
Employed	74.9	75.0
Unemployed	4.3	4.5
Not in labor force ³	15.3	15.5
Unable to work	3.6	3.1
Missing	2.0	2.0
MARITAL STATUS		
Married	52.7	59.3
Divorced/Separated	14.0	9.9
Widowed	9.1	6.8
Never married	20.0	19.5
Unmarried couple	1.9	2.2
Missing	2.3	2.3
¹ Weighted to account for the probabilities of selection at the phone number and household levels, and conditionally adjusted to the 1995 Michigan intercensal estimates by age, sex, and race.		
² Includes homemakers, students, and retired persons.		